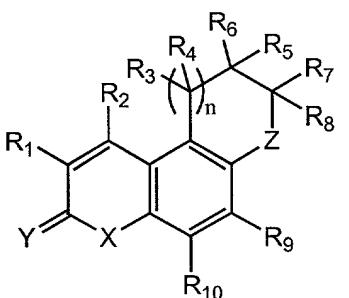


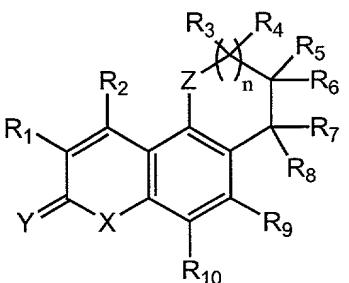
What is claimed is:

1. A compound of the formula:



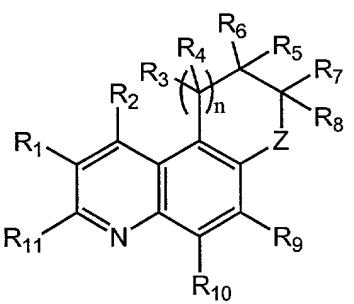
(I)

OR



(II)

OR

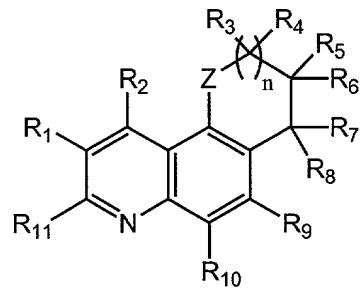


(III)

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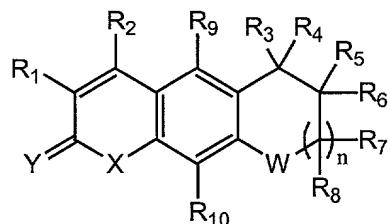
OR

110



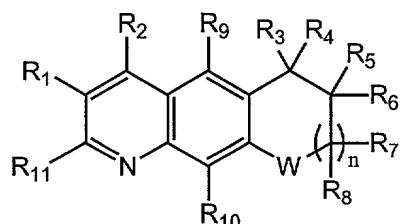
(IV)

OR



(V)

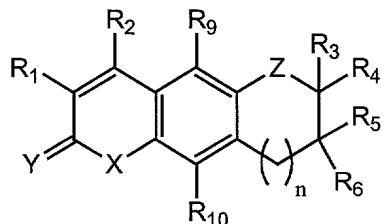
OR



10

(VI)

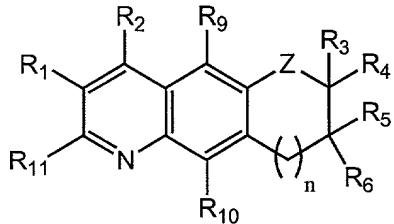
OR



15

(VII)

OR



(VIII)

wherein:

- 5 R¹ is selected from the group of hydrogen, F, Cl, Br, I, NO₂, OR¹², SR¹², SOR¹², SO₂R¹², NR¹²R¹³, C₁-C₈ alkyl, C₁-C₈ haloalkyl and C₁-C₈ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;
- 10 R² is selected from the group of hydrogen, F, Cl, Br, I, CH₃, CF₃, CHF₂, CH₂F, CF₂Cl, CN, CF₂OR¹², CH₂OR¹², OR¹², SR¹², SOR¹², SO₂R¹², NR¹²R¹³, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkenyl and C₂-C₈ alkynyl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl and alkynyl groups may be optionally substituted;
- 15 R³ through R⁸ each independently is selected from the group of hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkynyl, C₂-C₈ alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups may be optionally substituted; or
- 20 R³ and R⁵ taken together form a bond; or
R⁵ and R⁷ taken together form a bond; or
R⁴ and R⁶ taken together form a three- to eight-membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may optionally substituted; or
R⁶ and R⁸ taken together form a three- to eight-membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may optionally substituted;

R⁹ and R¹⁰ each independently is selected from the group of hydrogen, F, Cl, Br, I, CN, OR¹², NR¹²R¹³, C_m(R¹²)_{2m}OR¹³, SR¹², SOR¹², SO₂R¹², NR¹²C(O)R¹³, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl and arylalkyl groups may be optionally substituted;

5 R¹¹ is selected from the group of hydrogen, F, Br, Cl, I, CN, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, OR¹⁴, NR¹⁴R¹³, SR¹⁴, CH₂R¹⁴, C(O)R¹⁴, CO₂R¹⁴, C(O)NR¹⁴R¹³, SOR¹⁴ and SO₂R¹⁴, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;

10 R¹² and R¹³ each independently is selected from the group of hydrogen, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkenyl, C₂-C₈ alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups may be optionally substituted;

15 R¹⁴ is selected from the group of hydrogen, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, aryl, heteroaryl, C(O)R¹⁵, CO₂R¹⁵ and C(O)NR¹⁵R¹⁶, wherein the alkyl, haloalkyl, heteroalkyl, aryl and heteroaryl groups may be optionally substituted;

R¹⁵ and R¹⁶ each independently is selected from the group of hydrogen, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;

W is O or S;

20 X is selected from the group of O, S and N{R¹⁴};

Y is selected from the group of O, S, N{R¹²}, NO{R¹²} and CR¹²R¹³;

Z is selected from the group of O, S and N{R¹²};

n is 0, 1 or 2;

m is 0, 1, or 2;

25 and pharmaceutically acceptable salts thereof.

2. A compound according to claim 1, wherein R² is selected from the group of hydrogen, F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆

heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

3. A compound according to claim 1, wherein R² is selected from the group of
5 CF₂OR¹², CH₂OR¹², OR¹², SR¹², SOR¹², SO₂R¹² and NR¹²R¹³.

4. A compound according to claim 1, wherein R² is selected from the group of
hydrogen, F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, C₁-C₄ alkyl, C₁-C₄ haloalkyl, C₁-C₄
10 heteroalkyl, C₂-C₄ alkenyl and C₂-C₄ alkynyl, wherein the alkyl, haloalkyl, heteroalkyl,
alkenyl and alkynyl groups may be optionally substituted.

5. A compound according to claim 4, wherein R² is selected from the group of
hydrogen, F, Cl, CF₃, CF₂Cl, CF₂H, CFH₂ and optionally substituted C₁-C₄ alkyl.

15 6. A compound according to claim 1, wherein R⁹ and R¹⁰ each independently is
selected from hydrogen, F, Cl, Br, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl,
wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted

20 7. A compound according to claim 6, wherein R⁹ and R¹⁰ each independently is
selected from the group of hydrogen, F, Cl, C₁ - C₄ alkyl, C₁ - C₄ haloalkyl and C₁ - C₄
heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally
substituted.

25 8. A compound according to claim 7, wherein R⁹ and R¹⁰ each independently is
selected from the group of hydrogen, F and CH₃.

9. A compound according to claim 1, wherein R¹ is selected from the group of hydrogen, F, Cl, Br, I, C₁ – C₆ alkyl, C₁ – C₆ haloalkyl and C₁ – C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

5 10. A compound according to claim 9, wherein R¹ is selected from the group of hydrogen, F, Cl, C₁ – C₄ alkyl, C₁ – C₄ haloalkyl and C₁ – C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

11. A compound according to claim 9, wherein R¹ is hydrogen or F.

10 12. A compound according to claim 1, wherein Y and W each independently is O or S.

13. A compound according to claim 12, wherein Y and W are each O.

15 14. A compound according to claim 1, wherein R¹¹ is selected from the group of hydrogen, F, Br, Cl, CN, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, OR¹⁴, NR¹⁴R¹³, SR¹⁴, CH₂R¹⁴, C(O)R¹⁴, CO₂R¹⁴, C(O)NR¹⁴R¹³, SOR¹⁴ and SO₂R¹⁴, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

20 15. A compound according to claim 14, wherein R¹¹ is selected from the group of hydrogen, F, Cl, OR¹⁴, SR¹⁴, NR¹⁴R¹³, CH₂R¹⁴, C(O)R¹⁴, CO₂R¹⁴, C(O)NR¹⁴R¹³, SOR¹⁴, SO₂R¹⁴ and optionally substituted C₁-C₄ alkyl.

25 16. A compound according to claim 15, wherein R¹¹ is selected from the group of hydrogen, F, Cl, OR¹⁴ and SR¹⁴.

17. A compound according to claim 16, wherein R¹¹ is OR¹⁴.

18. A compound according to claim 1, wherein Z is O or N{R¹²}.

19. A compound according to claim 18, wherein Z is N{R¹²}.

5

20. A compound according to claim 18, wherein Z is O.

21. A compound according to claim 1, wherein n is 0 or 1.

10

22. A compound according to claim 21, wherein n is 0.

15

23. A compound according to claim 1, wherein R¹² is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups may be optionally substituted.

20

24. A compound according to claim 23, wherein R¹² is selected from the group of hydrogen, C₁-C₄ alkyl, C₁-C₄ haloalkyl and C₁-C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

25

25. A compound according to claim 1, wherein R¹³ is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups may be optionally substituted.

26. A compound according to claim 25, wherein R¹³ is selected from the group of hydrogen, C₁-C₄ alkyl, C₁-C₄ haloalkyl and C₁-C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

27. A compound according to claim 1, wherein X is O or N{R¹⁴}.

28. A compound according to claim 27, wherein X is N{R¹⁴}.

5

29. A compound according to claim 28, wherein X is NH.

30. A compound according to claim 1, wherein R³ and R⁴ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted; or

R³ and R⁵ taken together form a bond; or

R⁴ and R⁶ taken together form a four to six membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may be optionally substituted.

15

31. A compound according to claim 30, wherein R³ and R⁴ each independently is selected from the group of hydrogen, C₁-C₄ alkyl, C₁-C₄ haloalkyl and C₁-C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

20

32. A compound according to claim 1, wherein R⁵ and R⁷ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted; or R⁵ and R⁷ taken together form a bond.

25

33. A compound according to claim 32, wherein R⁵ and R⁷ each independently is selected from the group of hydrogen, C₁-C₄ alkyl, C₁-C₄ haloalkyl and C₁-C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

34. A compound according to claim 1, wherein R⁶ and R⁸ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups may be optionally substituted; or

5 R⁶ and R⁸ taken together form a three to eight membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may be optionally substituted.

10 35. A compound according to claim 34, wherein R⁶ and R⁸ each independently is selected from the group of hydrogen, C₁ – C₄ alkyl, C₁ – C₄ haloalkyl, C₁ – C₄ heteroalkyl, heteroaryl and aryl, wherein alkyl, haloalkyl, heteroaryl and aryl may be optionally substituted; or

15 R⁶ and R⁸ taken together form a four to six membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may be optionally substituted.

36. A compound according to claim 1, wherein:

20 R¹ is selected from the group of hydrogen, F, Cl, Br, I, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;

R² is selected from the group of hydrogen, F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, C₁-C₆ alkyl; C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted; and

25 R³ and R⁴ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

37. A compound according to claim 36, wherein:

R⁵ through R⁸ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted; or

R⁶ and R⁸ taken together form a four to six membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may be optionally substituted.

38. A compound according to claim 37, wherein:

R⁹ and R¹⁰ each independently is selected from the group of hydrogen, F, Cl, Br, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;

R¹² is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups may be optionally substituted; and

R¹⁴ is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, C(O)R¹⁵, CO₂R¹⁵ and C(O)NR¹⁵R¹⁶, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

39. A compound according to claim 38, wherein:

W is O or S;

X is O or N{R¹⁴};

Y is O or S;

Z is O or N{R¹²} ; and

n is 0 or 1.

40. A compound according to claim 1, wherein said compound is selected from the group of:

5,6,7,8-Tetrahydro-7,7-dimethyl-4-trifluoromethylpyridino[3,2-f]quinolin-2(1H)-one;

- 5,6,7,8-Tetrahydro-7,7-diethyl-4-trifluoromethylpyridino[3,2-*f*]quinolin-2(1*H*)-one;
7,8-Dihydro-7,7-dimethyl-4-trifluoromethylpyridino[3,2-*f*]quinolin-2(1*H*)-one;
5,6,7,8-Tetrahydro-7,7,8-trimethyl-4-trifluoromethylpyridino[3,2-*f*]quinolin-2(1*H*)-one;
8-Ethyl-5,6,7,8-tetrahydro-7,7-dimethyl-4-trifluoromethylpyridino[3,2-*f*]quinolin-2(1*H*)-one;
5 5,6,7,8-Tetrahydro-7,7-dimethyl-4-trifluoromethyl-8-propylpyridino[3,2-*f*]quinolin-2(1*H*)-one;
8-(2,2,2-Trifluoroethyl)-5,6,7,8-tetrahydro-7,7-dimethyl-4-trifluoromethyl-pyridino[3,2-*f*]quinolin-2(1*H*)-one;
6-Hydrazino-4-trifluoromethylquinolin-2(1*H*)-one;
10 6-Methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
5-Isopropyl-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
5-Allyl-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
5-(4-Methoxyphenyl)-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
5-(3-Trifluoromethylphenyl)-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-
5 one;
4-Trifluoromethyl-5,6,7,8-tetrahydrocyclopentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
4-Trifluoromethyl-5,6,7,8,9,10-hexahydrocycloheptano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
(\pm)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano-
[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
20 (\pm)-6,6a,7,8,9,9a(*cis*)-Hexahydro-6-trifluoroethyl-4-trifluoromethylcyclopentano-
[i]pyrrolo[2,3-*g*]quinolin-2(1*H*)-one;
(\pm)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-ethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
(\pm)-6,6a,7,8,9,9a(*cis*)-Hexahydro-6-ethyl-4-trifluoromethylcyclopentano-[i]pyrrolo[2,3-
25 *g*]quinolin-2(1*H*)-one;
(\pm)-5,6-Dihydro-5,6-*cis*-dimethyl-7-trifluoroethyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

- (\pm)-7,8-Dihydro-7,8-*cis*-dimethyl-6-trifluoroethyl-4-trifluoromethyl-6*H*-pyrrolo[2,3-*g*]quinolin-2(1*H*)-one;
- (\pm)-4*c*,5,6,7,7*a*(*cis*),8-Hexahydro-8-propyl-4-trifluoromethylcyclopentano-[*g*]pyrrolo-[3,2-*f*]quinolin-2(1*H*)-one;
- 5 (\pm)-4*c*,5,6,7,7*a*(*cis*),8-Hexahydro-8-(3-furanylmethyl)-4-trifluoromethylcyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-4*c*,5,6,7,7*a*(*cis*),8-Hexahydro-8-(3-thiophenemethyl)-4-trifluoromethylcyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 10 (\pm)-4*c*,5,6,7,7*a*(*cis*),8-Hexahydro-8-(2-methylpropyl)-4-trifluoromethylcyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-4*c*,5,6,7,7*a*(*cis*),8-Hexahydro-8-(2,2,2-chlorodifluoroethyl)-4-trifluoromethylcyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 15 (\pm)-4*c*,5,6,7,7*a*(*cis*),8-Hexahydro-8-cyclopropylmethyl-4-trifluoromethylcyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-4*c*,5,6,7,7*a*(*cis*),8-Hexahydro-8-(2,2-dimethoxyethyl)-4-trifluoromethylcyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 20 (\pm)-4*c*,5,6,7,8,8*a*(*cis*)-Hexahydro-9-(2,2,2-trifluoroethyl)-4-trifluoromethyl-9*H*-cyclohexano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-4*c*,5,6,7,8,9,9*a*(*cis*),10-Octahydro-10-(2,2,2-trifluoroethyl)-4-trifluoromethylcycloheptano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 25 (\pm)-5,6- *cis*-Dihydro-6-ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6- *cis*-Dihydro-5-butyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6- *cis*-Dihydro-5-(4-nitrophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

- (\pm)-5,6- *cis*-Dihydro-5-(4-dimethylaminophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6- *cis*-Dihydro-5-(4-methoxyphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5 (\pm)-5,6- *cis*-Dihydro-5-(3-trifluoromethylphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6- *cis*-Dihydro-5-(4-fluorophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 10 (\pm)-5,6-Dihydro-5-phenyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6- *cis*-Dihydro-5-(4-methoxyphenyl)-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6- *cis*-Dihydro-5-(4-methoxyphenyl)-6-methyl-7-(2,2-dimethoxyethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 15 (\pm)-5,6- *cis*-Dihydro-5-isopropyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6-Dihydro-5-ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 20 (\pm)-5,6-Dihydro-5-ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6-Dihydro-5-(2-ethoxycarbonylethyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 25 6-Ethyl-5-methyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6-*cis*-Dihydro-5-methyl-6-ethyl-7-(2,2,2-trifluoroethyl)-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5,6-Dimethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 6-Ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

- 6-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
6-Ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-
one;
5-Ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-
5 one;
5-Ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-
one;
5,6,7,8-Tetrahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-
2(1*H*)-one;
10 8-Trifluoroethyl-4-trifluoromethyl-6,8-dihydrocyclopentano[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-
one;
9-Trifluoroethyl-4-trifluoromethyl-9*H*-benzo[*g*]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
6-Trifluoroethyl-4-trifluoromethyl-6,7,8,9-tetrahydrocyclopentano[*i*]pyrrolo[2,3-*g*]quinolin-
2(1*H*)-one;
15 5-(3-Trifluoromethylphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-
pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
5-(4-Fluorophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
5-(2-Ethoxycarbonylethyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-
20 pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
7-Ethyl-8-methyl-6-(2,2,2-trifluoroethyl)-4-trifluoromethyl-6*H*-pyrrolo[2,3-*g*]quinolin-2(1*H*)-
one;
5-Hydroxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
25 5-Methyl-6-(1-hydroxyethyl)-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
5-Methyl-6-acetyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-
one;

- 5-Formyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5-Acetyloxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5 2-Acetyloxy-5-hydroxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinoline;
- 6-Ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5-Ethoxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 10 6-(1-Methoxyethyl)-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 7-Allyl-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;
- 6-Ethyl-7-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;
- 7-(3-Trifluoromethylphenyl)-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;
- 15 7-(2-Hydroxyethyl)-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;
- (+)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (-)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 20 4-Trifluoromethyl-6,7-dihydro-7,7,9-trimethyl-pyrido[2,3-*g*]quinolin-2(1*H*)-one;
- 8-(2,2,2-Trifluoroethyl)-5,6,7,8-tetrahydro-5,7,7-trimethylpyrido[3,2-*f*]quinolin-2(1*H*)-one;
- 4,5,7-Tri(trifluoromethyl)pyrido[3,2-*f*]quinolin-2(1*H*)-one;
- 5,7-Bis(trifluoromethyl)pyrido[3,2-*f*]quinolin-2(1*H*)-one;
- 25 4-Trifluoromethyl-7-methyl-6,7,8,9-tetrahydropyrido[2,3-*g*]quinolin-2(1*H*)-one;
- 4-Trifluoromethyl-7,8-dihydro-6*H*-pyrrolo[2,3-*g*]quinolin-2(1*H*)-one;
- 4-Trifluoromethyl-5,6,7,8-terahydropyrido[2,3-*g*]quinolin-2(1*H*)-one;
- 4-Trifluoromethyl-7-methyl-6-propyl-6,7,8,9-tetrahydropyrido[2,3-*g*]quinolin-2(1*H*)-one;

4-Trifluoromethyl-7-methyl-6-cyclopropylmethyl-6,7,8,9-tetrahydropyrido[2,3-g]quinolin-2(1*H*)-one;

4-Trifluoromethyl-7-methyl-6-ethyl-6,7,8,9-tetrahydropyrido[2,3-g]quinolin-2(1*H*)-one;

5 4-Trifluoromethyl-7-methyl-6-(2,2,2-trifluoroethyl)-6,7,8,9-tetrahydropyrido[2,3-g]quinolin-2(1*H*)-one;

4-Trifluoromethyl-6-(2,2,2-trifluoroethyl)-6,7,8,9-tetrahydropyrido[2,3-g]quinolin-2(1*H*)-one;

4-Trifluoromethyl-6-propyl-6,7,8,9-tetrahydropyrido[2,3-g]quinolin-2(1*H*)-one;

4-Trifluoromethyl-6-ethyl-6,7,8,9-tetrahydropyrido[2,3-g]quinolin-2(1*H*)-one;

4-Trifluoromethyl-6-cyclopropylmethyl-6,7,8,9-tetrahydropyrido[2,3-g]quinolin-2(1*H*)-one;

10 6,7-Dihydro-8,8-dimethyl-4-(trifluoromethyl)-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one;

6,7-Dihydro-8,8,10-trimethyl-4-(trifluoromethyl)-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one;

(±)-6,7-Dihydro-6-ethyl-4-methyl-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one

(±)-7,8-Dihydro-8-ethyl-4-methyl-6*H*-pyrano[2,3-f]quinolin-2(1*H*)-one;

(±)-6,7-Dihydro-6-ethyl-4-trifluoromethyl-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one;

5 (-)-6,7-Dihydro-6-ethyl-4-trifluoromethyl-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one;

(+)-6,7-Dihydro-6-ethyl-4-trifluoromethyl-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one;

(±)-6,7-Dihydro-6-ethyl-3-fluoro-4-trifluoromethyl-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one;

(±)-6,7-Dihydro-6-ethyl-4-trifluoromethyl-1-methyl-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one;

(±)-6,7-Dihydro-6-ethyl-3-fluoro-4-trifluoromethyl-1-methyl-8*H*-pyrano[3,2-g]quinolin-

20 2(1*H*)-one;

(±)-6,7-Dihydro-6-ethyl-2,4-bis(trifluoromethyl)-8*H*-pyrano[3,2-g]quinoline;

6,8,8-Trimethyl-4-trifluoromethyl-8*H*-pyrano[3,2-g]coumarin;

6-Ethyl-8,8-dimethyl-4-trifluoromethyl-8*H*-pyrano[3,2-g]coumarin;

(±)-5,6-Dihydro-6-hydroxymethyl-4-trifluoromethylpyrrolo[3,2-f]quinolin-2(1*H*)-one;

25 (±)-5,6-Dihydro-7-ethyl-6-hydroxymethyl-4-trifluoromethylpyrrolo[3,2-f]quinolin-2(1*H*)-one;

7,8-Dihydro-6-(2,2,2-trifluoroethyl)-4-trifluoromethylpyrrolo[2,3-g]quinolin-2(1*H*)-one;

6-(2,2,2-Trifluoroethyl)-4-trifluoromethylpyrrolo[2,3-g]quinolin-2(1*H*)-one;

8-Chloro-6-(2,2,2-trifluoroethyl)-4-trifluoromethylpyrrolo[2,3-g]quinolin-2(1H)-one;
5-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethylpyrrolo[3,2-f]quinolin-2(1H)-one;
6-Formyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-
2(1H)-one; and

- 5 5,6-Dimethyl-7-(2,2-difluorovinyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one.

41. A compound according to claim 1, wherein said compound is selected from the group of:

8-Ethyl-5,6,7,8-tetrahydro-7,7-dimethyl-4-trifluoromethylpyridino[3,2-f]quinolin-2(1H)-one;
5,6,7,8-Tetrahydro-7,7-dimethyl-4-trifluoromethyl-8-propylpyridino[3,2-f]quinolin-2(1H)-
one;
8-(2,2,2-Trifluoroethyl)-5,6,7,8-tetrahydro-7,7-dimethyl-4-trifluoromethyl-pyridino[3,2-
f]quinolin-2(1H)-one;
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano-
[g]pyrrolo[3,2-f]quinolin-2(1H)-one;
(±)-6,6a,7,8,9,9a(*cis*)-Hexahydro-6-trifluoroethyl-4-trifluoromethylcyclopentano-
[i]pyrrolo[2,3-g]quinolin-2(1H)-one;
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-ethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-
f]quinolin-2(1H)-one;
20 (±)-5,6-Dihydro-5,6-*cis*-dimethyl-7-trifluoroethyl-4-trifluoromethyl-7H-pyrrolo[3,2-
f]quinolin-2(1H)-one;
(±)-7,8-Dihydro-7,8-*cis*-dimethyl-6-trifluoroethyl-4-trifluoromethyl-6H-pyrrolo[2,3-
g]quinolin-2(1H)-one;
(±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-propyl-4-trifluoromethylcyclopentano-[g]pyrrolo-[3,2-
f]quinolin-2(1H)-one;
25 (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2,2-chlorodifluoroethyl)-4-
trifluoromethylcyclopentano[g]pyrrolo[3,2-f]quinolin-2(1H)-one;

(\pm)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-cyclopropylmethyl-4-trifluoromethyl-cyclopentano[g]pyrrolo[3,2-f]quinolin-2(1H)-one;

(\pm)-4c,5,6,7,8,8a(*cis*)-Hexahydro-9-(2,2,2-trifluoroethyl)-4-trifluoromethyl-9H-cyclohexano[g]pyrrolo[3,2-f]quinolin-2(1H)-one;

5 (\pm)-5,6- *cis*-Dihydro-6-ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

(\pm)-5,6- *cis*-Dihydro-5-butyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

10 (\pm)-5,6-Dihydro-5-ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

(\pm)-5,6-Dihydro-5-ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

(\pm)-5,6-*cis*-Dihydro-5-methyl-6-ethyl-7-(2,2,2-trifluoroethyl)-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

15 5,6-Dimethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

6-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

6-Ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

20 5-Ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

5,6,7,8-Tetrahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-f]quinolin-2(1H)-one;

6-Trifluoroethyl-4-trifluoromethyl-6,7,8,9-tetrahydrocyclopentano[i]pyrrolo[2,3-g]quinolin-2(1H)-one;

25 7-Ethyl-8-methyl-6-(2,2,2-trifluoroethyl)-4-trifluoromethyl-6H-pyrrolo[2,3-g]quinolin-2(1H)-one;

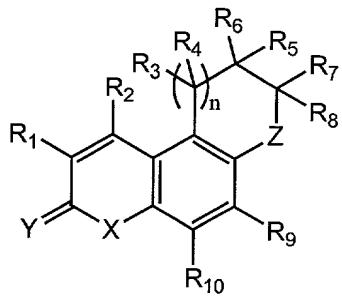
6-Ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;

(+)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-f]quinolin-2(1*H*)-one;

(-)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-f]quinolin-2(1*H*)-one;

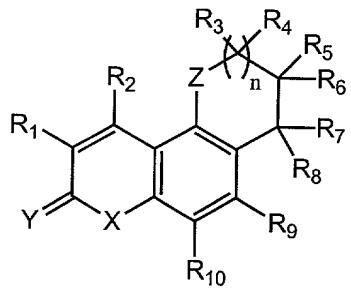
- 5 8-(2,2,2-Trifluoroethyl)-5,6,7,8-tetrahydro-5,7,7-trimethylpyrido[3,2-f]quinolin-2(1*H*)-one;
4-Trifluoromethyl-7-methyl-6-(2,2,2-trifluoroethyl)-6,7,8,9-tetrahydropyrido[2,3-g]quinolin-
2(1*H*)-one;
6,7-Dihydro-8,8-dimethyl-4-(trifluoromethyl)-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one;
(-)-6,7-Dihydro-6-ethyl-4-trifluoromethyl-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one; and
10 (+)-6,7-Dihydro-6-ethyl-4-trifluoromethyl-8*H*-pyrano[3,2-g]quinolin-2(1*H*)-one.

42. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound of formula:



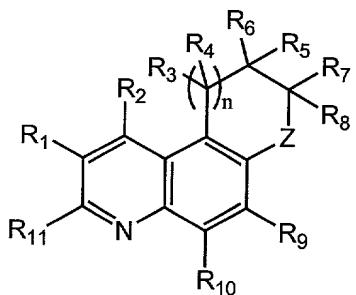
(I)

OR



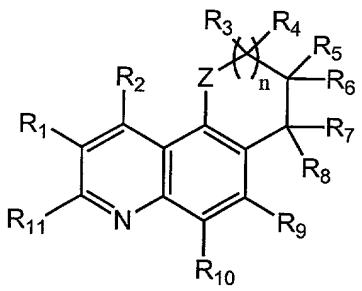
(II)

OR



(III)

OR

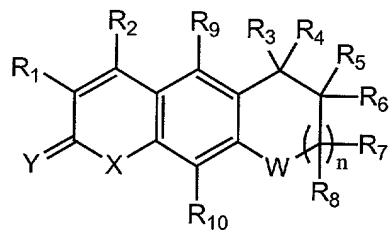


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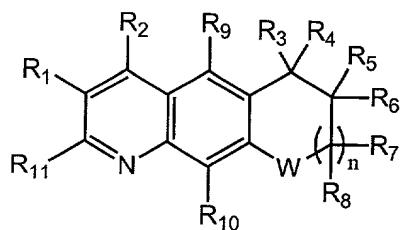
(IV)

OR



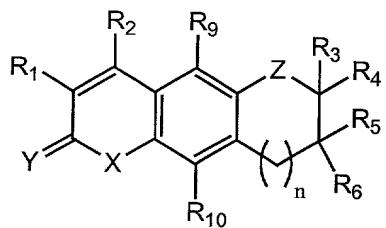
(V)

OR



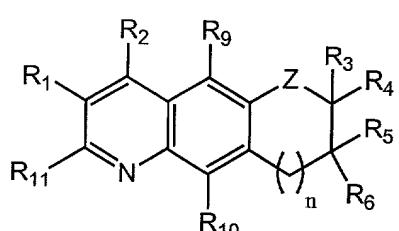
(VI)

OR



(VII)

OR



(VIII)

wherein:

R¹ is selected from the group of hydrogen, F, Cl, Br, I, NO₂, OR¹², SR¹², SOR¹², SO₂R¹², NR¹²R¹³, C₁-C₈ alkyl, C₁-C₈ haloalkyl and C₁-C₈ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;

R² is selected from the group of hydrogen, F, Cl, Br, I, CH₃, CF₃, CHF₂, CH₂F, CF₂Cl,
5 CN, CF₂OR¹², CH₂OR¹², OR¹², SR¹², SOR¹², SO₂R¹², NR¹²R¹³, C₁-C₈ alkyl, C₁-C₈ haloalkyl,
C₁-C₈ heteroalkyl, C₂-C₈ alkenyl and C₂-C₈ alkynyl, wherein the alkyl, haloalkyl, heteroalkyl,
alkenyl and alkynyl groups may be optionally substituted;

R³ through R⁸ each independently is selected from the group of hydrogen, F, Cl, Br, I,
OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈
10 alkynyl, C₂-C₈ alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl,
heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups may be optionally
substituted; or

R³ and R⁵ taken together form a bond; or

R⁵ and R⁷ taken together form a bond; or

R⁴ and R⁶ taken together form a three- to eight-membered saturated or unsaturated
carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may optionally
substituted; or

R⁶ and R⁸ taken together form a three- to eight-membered saturated or unsaturated
carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may optionally
20 substituted;

R⁹ and R¹⁰ each independently is selected from the group of hydrogen, F, Cl, Br, I,
CN, OR¹², NR¹²R¹³, C_m(R¹²)_{2m}OR¹³, SR¹², SOR¹², SO₂R¹², NR¹²C(O)R¹³, C₁-C₈ alkyl, C₁-C₈
haloalkyl, C₁-C₈ heteroalkyl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl and
arylkyl groups may be optionally substituted;

25 R¹¹ is selected from the group of hydrogen, F, Br, Cl, I, CN, C₁-C₈ alkyl, C₁-C₈
haloalkyl, C₁-C₈ heteroalkyl, OR¹⁴, NR¹⁴R¹³, SR¹⁴, CH₂R¹⁴, C(O)R¹⁴, CO₂R¹⁴, C(O)NR¹⁴R¹³,
SOR¹⁴ and SO₂R¹⁴, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally
substituted;

R¹² and R¹³ each independently is selected from the group of hydrogen, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkenyl, C₂-C₈ alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups may be optionally substituted;

5 R¹⁴ is selected from the group of hydrogen, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, aryl, heteroaryl, C(O)R¹⁵, CO₂R¹⁵ and C(O)NR¹⁵R¹⁶, wherein the alkyl, haloalkyl, heteroalkyl, aryl and heteroaryl groups may be optionally substituted;

10 R¹⁵ and R¹⁶ each independently is selected from the group of hydrogen, C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;

W is O or S;

X is selected from the group of O, S and N{R¹⁴};

Y is selected from the group of O, S, N{R¹²}, N{OR¹²} and CR¹²R¹³;

Z is selected from the group of O, S and N{R¹²};

15 n is 0, 1 or 2;

m is 0, 1, or 2;

and pharmaceutically acceptable salts thereof.

20 43. A pharmaceutical composition according to claim 42, wherein the carrier is suitable for enteral, parenteral, suppository, or topical administration.

25 44. A pharmaceutical composition according to claim 42, wherein R¹ is selected from the group of hydrogen, F, Cl, Br, I, C₁ - C₆ alkyl, C₁ - C₆ haloalkyl and C₁ - C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

45. A pharmaceutical composition according to claim 44, wherein R¹ is selected from the group of hydrogen, F, Cl, C₁ – C₄ alkyl, C₁ – C₄ haloalkyl and C₁ – C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

5 46. A pharmaceutical composition according to claim 42, wherein R² is selected from the group of hydrogen, F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

10 47. A pharmaceutical composition according to claim 46, wherein R² is selected from the group of hydrogen, F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, C₁-C₄ alkyl, C₁-C₄ haloalkyl and C₁-C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

15 48. A pharmaceutical composition according to claim 42, wherein R⁹ and R¹⁰ each independently is selected from the group of hydrogen, F, Cl, Br, C₁ – C₆ alkyl, C₁ – C₆ haloalkyl and C₁ – C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

20 49. A pharmaceutical composition according to claim 48, wherein R⁹ and R¹⁰ each independently is selected from the group of hydrogen, F and CH₃.

50. A pharmaceutical composition according to claim 42, wherein R¹¹ is selected from the group of hydrogen, F, Br, Cl, CN, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, 25 OR¹⁴, NR¹⁴R¹³, SR¹⁴, CH₂R¹⁴, C(O)R¹⁴, CO₂R¹⁴, C(O)NR¹⁴R¹³, SOR¹⁴ and SO₂R¹⁴, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

51. A pharmaceutical composition according to claim 50, wherein R¹¹ is selected from the group of hydrogen, F, Cl, OR¹⁴, SR¹⁴, NR¹⁴R¹³, CH₂R¹⁴, C(O)R¹⁴, CO₂R¹⁴, C(O)NR¹⁴R¹³, SOR¹⁴, SO₂R¹⁴ and optionally substituted C₁-C₄ alkyl.
- 5 52. A pharmaceutical composition according to claim 42, wherein Y and W each independently is O or S.
- 10 53. A pharmaceutical composition according to claim 42, wherein Z is O or N{R¹²}.
- 15 54. A pharmaceutical composition according to claim 42, wherein n is 0.
55. A pharmaceutical composition according to claim 42, wherein R¹² is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups may be optionally substituted.
- 20 56. A pharmaceutical composition according to claim 42, wherein X is O or N{R¹⁴}.
57. A pharmaceutical composition according to claim 42, wherein R³ and R⁴ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted; or
- 25 R³ and R⁵ taken together form a bond; or
- R⁴ and R⁶ taken together form a four to six membered carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may be optionally substituted.

58. A pharmaceutical composition according to claim 42, wherein R⁵ and R⁷ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted; or

5 R⁵ and R⁷ taken together form a bond.

59. A pharmaceutical composition according to claim 42, wherein R⁶ and R⁸ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups may be optionally substituted; or

10 R⁶ and R⁸ taken together form a three to eight membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may be optionally substituted.

15 60. A pharmaceutical composition according to claim 42, wherein:

R¹ is selected from the group of hydrogen, F, Cl, Br, I, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;

20 R² is selected from the group of hydrogen, F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, C₁-C₆ alkyl; C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted; and

25 R³ and R⁴ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

61. A pharmaceutical composition according to claim 60, wherein:

R⁵ through R⁸ each independently is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted; or

- 5 R⁶ and R⁸ taken together form a four to six membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring may be optionally substituted.

62. A pharmaceutical composition according to claim 61, wherein:

10 R⁹ and R¹⁰ each independently is selected from the group of hydrogen, F, Cl, Br, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted;

15 R¹² is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups may be optionally substituted; and

15 R¹⁴ is selected from the group of hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, C(O)R¹⁵, CO₂R¹⁵ and C(O)NR¹⁵R¹⁶, wherein the alkyl, haloalkyl and heteroalkyl groups may be optionally substituted.

63. A pharmaceutical composition according to claim 62, wherein:

20 W is O or S;

X is O or N{R¹⁴};

Y is O or S;

Z is O or N{R¹²}; and

n is 0 or 1.

25

64. A method of treating an individual having a condition mediated by an androgen receptor comprising administering to said individual a pharmaceutically effective amount of a compound according to any one of claims 1, 40 or 41.

65. A method according to claim 64, wherein said compound is represented by formula (I).
- 5 66. A method according to claim 64, wherein said compound is represented by formula (II).
- 10 67. A method according to claim 64, wherein said compound is represented by formula (III).
- 15 68. A method according to claim 64, wherein said compound is represented by formula (IV).
69. A method according to claim 64, wherein said compound is represented by formula (V).
- 20 70. A method according to claim 64, wherein said compound is represented by formula (VI).
71. A method according to claim 64, wherein said compound is represented by formula (VII).
- 25 72. A method according to claim 64, wherein said compound is represented by formula (VIII).
73. A method according to claim 64, wherein said condition is selected from the group of acne, male-pattern baldness, impotence, sexual dysfunction, wasting diseases,

hirsutism, hypogonadism, prostatic hyperplasia, osteoporosis, cancer cachexia and hormone-dependent cancers.

74. A method according to claim 64, wherein said condition is alleviated with a therapy selected from the group of male hormone replacement therapy, female androgen replacement therapy and stimulation of hematopoiesis.

75. A method of modulating an androgen receptor in an individual comprising administering an androgen receptor modulating effective amount of a compound according to any one of claims 1, 40 or 41.

76. A method according to claim 64, wherein said individual has a condition mediated by an androgen receptor

77. A method according to claim 76, wherein said condition is selected from the group of acne, male-pattern baldness, impotence, sexual dysfunction, wasting diseases, hirsutism, hypogonadism, prostatic hyperplasia, osteoporosis, cancer cachexia and hormone-dependent cancers.

78. A method according to claim 76, wherein said condition is alleviated with a therapy selected from the group of male hormone replacement therapy, female androgen replacement therapy and stimulation of hematopoiesis.

79. A method according to claim 75, wherein said modulation is activation.

80. A method according to claim 76, wherein said individual has a condition mediated by an androgen receptor.

81. A method according to claim 80, wherein said condition is selected from the group of acne, male-pattern baldness, impotence, sexual dysfunction, wasting diseases, hirsutism, hypogonadism, prostatic hyperplasia, osteoporosis, cancer cachexia and hormone-dependent cancers.

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82. A method according to claim 80, wherein said condition is alleviated with a therapy selected from the group of male hormone replacement therapy, female androgen replacement therapy and stimulation of hematopoiesis.

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83. A method according to claim 79, wherein said compound provides 50% maximal activation of AR at a drug concentration of less than 100 nM.

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84. A method according to claim 79, wherein said compound provides 50% maximal activation of AR at a drug concentration of less than 50 nM.

15

85. A method according to claim 79, wherein said compound provides 50% maximal activation of AR at a drug concentration of less than 20 nM.

20

86. A method according to claim 79, wherein said compound provides 50% maximal activation of AR at a drug concentration of less than 10 nM.

87. A method according to claim 75, wherein said modulation is inhibition.

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88. A method according to claim 87, wherein said individual has a condition mediated by an androgen receptor.

89. A method according to claim 88, wherein said condition is selected from the group of acne, male-pattern baldness, impotence, sexual dysfunction, wasting diseases,

hirsutism, hypogonadism, prostatic hyperplasia, osteoporosis, cancer cachexia and hormone-dependent cancers.

90. A method according to claim 88, wherein said condition is alleviated with a
5 therapy selected from the group of male hormone replacement therapy, female androgen
replacement therapy and stimulation of hematopoiesis.

91. A method according to claim 87, wherein said compound provides 50%
maximal inhibition of AR at a drug concentration of less than 100 nM.
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92. A method according to claim 87, wherein said compound provides 50%
maximal inhibition of AR at a drug concentration of less than 50 nM.
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93. A method according to claim 87, wherein said compound provides 50%
maximal inhibition of AR at a drug concentration of less than 20 nM.

94. A method according to claim 87, wherein said compound provides 50%
maximal inhibition of AR at a drug concentration of less than 10 nM.
20

95. A method of treating cancer, comprising administering to a patient in need
thereof an effective amount of a compound according to any one of claims 1, 40 or 41.
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96. A method of determining the presence of an androgen receptor (AR) in a cell
or cell extract comprising: (a) labeling a compound according to any one of claims 1, 40 or
41; (b) contacting the cell or cell extract with said labeled compound; and (c) testing the
contacted cell or cell extract to determine the presence of AR.
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97. A method for purifying a sample containing an androgen receptor *in vitro*, comprising: (a) contacting said sample with a compound according to any one of claims 1, 40 or 41; (b) allowing said compound to bind to said androgen receptor to form a bound compound/receptor combination; and (c) isolating said bound compound/receptor combination.